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## Amendments to the Claims:

Please amend the claims as follows:

## 1-15. (Canceled)

16. (Original) An article comprising:

a polymeric substrate; and

an electrically conductive coating disposed on at least a portion of the substrate and having a projected surface area and a topographical surface area wherein the topographical surface area is greater than the projected surface area.

- 17. (Original) The article of claim 16 wherein the electrically conductive coating comprises a polymeric coating including at least one electrically conductive polymer.
  - 18. (Original) The article of claim 17 wherein the electrically conductive polymer comprises at least one moiety having  $\pi$ -electron delocalization.
  - 19. (Original) The article of claim 18 wherein the moiety comprises a monocyclic aromatic hydrocarbon, a polycyclic aromatic hydrocarbon, a 5-membered aromatic heterocyclic compound, a 6-membered aromatic heterocyclic compound, or any substituted analog of any of the foregoing.
  - 20. (Original) The article of claim 19 wherein the moiety comprises a 5-membered aromatic heterocyclic compound selected from pyrrole or thiophene.
    - 21. (Original) The article of claim 19 wherein the moiety comprises aniline.
  - 22. (Original) The article of claim 17 wherein the electrically conductive polymer is made from acetylene, a polyacetylene, or a substituted analog thereof.

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- 23. (Original) The article of claim 17 wherein the polymeric coating further comprises one or more azlactone moietics.
- 24. (Original) The article of claim 16 wherein the electrically conductive coating is disposed on a portion of the substrate in a defined pattern.
- 25. (Original) The article of claim 16 wherein the electrically conductive coating provides an electrical circuit.
- 26. (Original) The article of claim 16 further comprising a polymeric coating comprising azlactone moieties adhered to at least a portion of the substrate.
- 27. (Original) The article of claim 16 wherein the polymeric substrate comprises a relaxed oriented film or a recovered elastomeric material.
  - An array comprising: 28. (Currently amended)

the article of claim 16

an article that comprises a polymeric substrate and an electrically conductive coating disposed on at least a portion of the substrate, the electrically conductive coating having a projected surface area and a topographical surface area wherein the topographical surface area is greater than the projected surface area; and

one or more reactants affixed to the electrically conductive coating.

- 29. (Original) The array of claim 28 wherein at least one reactant is a polypeptide, a polynucleotide, a polysaccharide, or any combination thereof.
- 30. (Original) The array of claim 28 wherein the reactants are affixed to the polymeric coating to form an ordered array.
- A method of making a coated article, the method 31. (Currently amended) comprising:

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providing a shrinkable polymeric substrate; and
coating at least a portion of the polymeric substrate with an electrically conductive
coating; and

shrinking the substrate.

- 32. (Original) The method of claim 31 wherein the coating step comprises: coating the polymeric substrate with a dopant; and permitting a monomer to contact the dopant, thereby forming the electrically conductive coating.
- 33. (Original) The method of claim 32 wherein the monomer is acetylene, a polyacetylene, or a substituted analog thereof.
- 34. (Original) The method of claim 32 wherein the monomer comprises at least one moiety having  $\pi$ -electron delocalization.
- 35. (Currently amended) The article method of claim 34 wherein the moiety comprises a monocyclic aromatic hydrocarbon, a polycyclic aromatic hydrocarbon, a 5-membered aromatic heterocyclic compound, a 6-membered aromatic heterocyclic compound, or any substituted analog of any of the foregoing.
- 36. (Original) The method of claim 32 wherein the monomer is provided in a monomer solution.
- 37. (Original) The method of claim 36 wherein the monomer solution comprises, by weight, about 20% tolucne, about 70% heptane, and about 10% 5-membered aromatic heterocyclic compound.
- 38. (Original) The method of claim 37 wherein the 5-membered aromatic heterocyclic compound comprises pyrrole or thiophone.

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- 39. (Original) The method of claim 36 wherein the monomer solution comprises a vapor phase and the monomer is provided in the vapor phase.
- 40. (Original) The method of claim 31 further comprises affixing at least one reactant to the electrically conductive coating.
- 41. (Original) The method of claim 40 wherein at least one reactant comprises a polypeptide, a polynucleotide, a polysaccharide, or any combination thereof.
- 42. (Original) The method of claim 31 wherein the electrically conductive polymeric coating comprises at least one azlactone moiety.
- 43. (Original) The method of claim 31 further comprising:

  applying an overcoating comprising azlactone moieties to at least a portion of the article.
  - 44. (Original) The method of claim 43 further comprising:
    affixing at least one reactant to the azlactone overcoating.

45-46. (Withdrawn)